FORM PTO-1595 (Rev. 6-93)	08-17-19	998	ET u.		T OF COMMERCE
OMB No. 0u51-0011 (exp. 4/94)			•	Patent and	Trademark Office
Tab cettings → ⇒ → To the Honorable Commissioner of Pate			attached original	documents or	copy thereof
1. Name of conveying party(ies):	1007946	, 1, 7, 7	dress of receiving		COPY INCICOL
Frank Anthony DeNap					
Harold Wayne Johnson		Name: Sprin	t Communication	ons Company	<u>, L.P.</u>
Bryan Lee Gorman		Internal Addre	ss: <u>MOKCMP</u>	0506	o To
Additional name(s) of conveying party(ies) attached?	X Yes No				248
	Z res Z no	,		***************************************	123 × 20
3. Nature of conveyance:					8 202
🛛 Assignment 🗌	Merger	Street Address	s: <u>8140 Ward I</u>	Parkway	jo
Security Agreement	Change of Name				
Other	-	City: Kansas	City	State: MO	ZIP : 64114
		Oity. <u>III</u>		Glate.	
Execution Date: May 27, 1998		Additional name(s) &	address(es) attached?	Yes	X No
Application number(s) or patent number	·(s)·	-			
If this document is being filed together	•	the execution dat	e of the applicatio	n is:	
A. Patent Application No.(s)	with a new application,	B. Paten		II 13.	
		D. Faten	L NO.(S)		
09/129248					
	Additional numbers attache	ed? Yes	X No		
5. Name and address of party to whom	oorroopendanas				
concerning document should be mailed:		6. Total number	of applications an	d patents invo	lved:
W 1 P P H					
Name: Harley R. Ball		7. Total fee (37 (CFR 3.41)	\$ <u>40</u>	
Internal Address: Sprint		·			
MOKCMP0506		Enclosed			
		X Authorized	d to be charged to	deposit acco	unt
Street Address: 8140 Ward Parkway		8. Deposit accou	nt number:		
		21765			
City: Kansas City State:	MO 7IP-64114	21765 /	to convert this year		<u>**</u>
Oity.			ite copy of this pag	e ii paying by d	eposit account)
	DO NOT US	SE THIS SPACE			<u> </u>
9. Statement and signature.					21076
9. Statement and signature. To the best of my knowledge and belie the original document	f, the foregoing informat	ion is true and co	rrect and any atta	ched copy is a	a true copy of
the original document. Harley R. Ball	a)h	- h 12	7 >-7	8/5/	/ 98 S.
Name of Person Signing		Signature		Date	<u> </u>
Total n	umber of pages including cove	r sheet, attachments,	and document: 2		ATKINS
Ма	il documents to be recorded with req Commissioner of Patents & Trad	iemarks, Box Assignments			998 34
	Washington, D				199 281

(Form PTO--1595--Recordation Form Cover Sheet - page 1 of 3) PATENT

REEL: 9377 FRAME: 0738

Attachment to Form PTO - 1595 Recordation Form Cover Sheet

Additional Conveying Parties

- William Lee Edwards
- Michael Thomas Swink
- Timothy Gene Kelley
- James William Baumgart
- Martin Joseph Kaplan
- Abdullah Murat Bog
- John Arndt Strand, III

Additional Dates of Conveyance

- May 27, 1998
- June 1, 1998
- June 1, 1998
- May 27, 1998
- May 27, 1998
- May 18, 1998
- May 22, 1998
- June 20, 1998

PATENT REEL: 9377 FRAME: 0739

Sprint Docket 1178

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

I hereby declare that I am the sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the invention relating to "Asynchronous Transfer Mode System For Providing Telephony Service" described in an application for Letters Patent of the United States of America filed on _____, Application No. ______, or, if not identified here by filing date and serial number, executed by me on even date with my execution of this Assignment.

For valuable consideration received, I hereby sell, assign and transfer to Sprint Communications Company L.P., a corporation duly organized and existing under the laws of the State of Delaware, United States of America, its successors and assigns, my entire right, title and interest, for all countries in and to said inventions and all the rights and privileges under any and all Letters Patent that may be granted therefore, and any divisions, continuations, reissues and extensions thereof.

I agree that, when requested, I will, without charge to said corporation but at its expense, sign all papers, take all rightful oaths, make all rightful declarations and do all acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporation, its successors, assigns or nominees.

I agree that I will communicate to said corporation or its representatives any facts known to me respecting said inventions and when requested by said corporation and at its expense will testify in any legal proceedings, and generally do everything possible to aid said corporation, its successors, assigns and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporation, its successors, assigns or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my/our name, in any and all countries to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said corporation or its successors, assigns or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with Sprint Communications Company L.P., its successors, assigns, legal representatives, and nominees, that to the best of my knowledge the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have the full right to convey the same as herein expressed.

This Agreement and Assignment supersedes all other assignments, agreements and addendums related to the above identified application.

After this Assignment has been recorded, please return it to :

Attn: Harley R. Ball

Sprint Law Department 8140 Ward Parkway Mailstop: MOKCMP0506 Kansas City, Missouri 64114

> PATENT REEL: 9377 FRAME: 0740

JOINT INVENT	OR	
Inventor (1)	Frank Anthony DeNap	H. K. G. throng & M. T.
inventor (1)	(Type or Print)	(Signature in Full)
	(Type of Finit)	(Signature in run)
		- 3/15/SV
Citizenship	USA Citizen	Date: 3//5/9
		*
Post Office Add	ress: Millbrae, California 94030-0802	
	•	
Daridanca: DO	Box 802, Millbrae, California 94030	n en
Residence. F.O	. Box 802, Millorae, Camornia 94030	// // 5/15/9
	tabout louis and	. C. J. (24/1) 17/11
1st Witness:	LAUREL LESLIE (UI) (Type or Print)	LION Muy Xestel Willan
	(Type or Print)	(Signature)
	· • •	
		State of the state
2nd Witness	A To	0/2 1/48
Ziid witness:	Boris Fair (Type or Print)	
	(Type or Print)	(Signature)
IODIT BIVEN	rop	
JOINT INVENT		
Inventor (2)	Harold Wayne Johnson	Mary and the state of the state
	(Type or Print)	(Signature in Full)
Citizenship	USA Citizen	Date:
Citizensinp	OS/1 Chizen	L. CALLO .
n		
Post Office Add	ress: Lenexa, Kansas 66215	
Residence: 133	43 W. 103 rd Terrace, Lenexa, Kansas	66215
	, ,	
let Witness		
15t Withess.	/TD	
	(Type or Print)	(Signature)
2nd Witness:		
	(Type or Print)	(Signature)
	(Type of Timit)	(Signature)
JOINT INVENT	TOR	
Inventor (3)	Bryan Lee Gorman	
inventor (3)		TO 1
	(Type or Print)	(Signature in Full)
Citizenship	USA Citizen	Date:
		An application of the control of the
Post Office Add	ress: Mission, Kansas 66202	
i osi Office Add	icos. Mission, Kansas 00202	
Residence: 652	6 West 49th Street, Mission, Kansas 6	6202
1st Witness:		
	(Type or Print)	(Signature)
	(Type of Frint)	(Signature)
	- ∞	• 4
2nd Witness:		
	(Type or Print)	(Signature)

JOINT INVEN	rop.		
Inventor (1)	Frank Anthony DeNap		
inventor (1)	(Type or Print)	(Signature in Full)	
	(1) po or 11 may	(organization in 7 state)	
Citizenship	USA Citizen	Date:	
Post Office Add	lress: Millbrae,California 94030-0802		
Residence: P.O	. Box 802, Millbrae, California 94030		
1st Witness:			
	(Type or Print)	(Signature)	
2nd Witness:			
	(Type or Print)	(Signature)	
JOINT INVEN	TOR		
Inventor (2)	Harold Wayne Johnson	Zlande Wanne Johnson	
	(Type or Print)	(Signature in Full)	
Citizenship	USA Citizen	Zlaud Wayne fohrum (Signature in Full) Date: 27 May 1998	
Post Office Add	iress: Lenexa, Kansas 66215	<i>y</i>	
Residence: 133	43 W. 103 rd Terrace, Lenexa, Kansas	66215	
1st Witness:	(Type or Print)	(Signature)	
	BRYAN LEE GERMAN (Type or Print)	(Signature)	
I CONTRACTOR	DOD		
JOINT INVEN Inventor (3)	Bryan Lee Gorman (Type or Print)	(Signarure in Full)	
Citizenship	USA Citizen	Date: 4-7 May 1448	
Post Office Address: Mission, Kansas 66202			
Residence: 6526 West 49 th Street, Mission, Kansas 66202			
1st Witness: _/	(Type or Print)	(Signature)	
2nd Witness: 🛌	Type or Print)	(Signature)	

		() manufaction "
JOINT INVENT		will of Day
Inventor (4)	William Lee Edwards	William Fee tolwards
	(Type or Print)	(Signature in Full)
Citizenship	USA Citizen	Date: June 1998
Post Office Addr	ess: Overland Park, Kansas 66215	·/
Residence: 1056	3 Gillette Street, Overland Park, Kan	· · · · · · · · · · · · · · · · · · ·
1st Witness:	(Type or Print)	(Signature)
	(Type or Print)	(Signature)
2nd Witness: _/_	(Type or Print)	
	(Type or Print)	(Signature)
JOINT INVENT	∩D	
Inventor (5)	Michael Thomas Swink	White Thomas Six
(-,	(Type or Print)	(Signature in Full)
Citizenship	USA Citizen	Date: 6/1/97
Post Office Addr	ess: Lenexa, Kansas 66216	
Residence: 7704	Oakview Lane, Lenexa, Kansas 662	975
1st Witness:	(Type or Print)	SUSUM Cambeld (Signature)
	(Type or Print)	(Signature)
Ond Witness A	Inde Comme	
2nd witness:	(Type or Print)	(Signature)
		(Signature)
		
JOINT INVENT		to the transfer of
Inventor (6)	Timothy Gene Kelley (Type or Print)	(Signature in Full)
Citizenship	USA Citizen	Date: 5/27/98
Post Office Addre	ess: Shawnee, Kansas 66216	1
Residence: 14704 West 68th Street, Shawnee, Kansas 66216		
1st Witness:	MAoXU (Type or Print)	(Signature)
2nd Witness:	HAOXIN C. Qiu (Type or Print)	Chea Ci (Signature)

JOINT INVEN	TOR	A .
Inventor (7)	James William Baumgart	Some IN the last
inventor (/)	(Type or Print)	(Signature in Full)
	(1) po or 11111)	
Citizenship	USA Citizen	Date: 5/27/98
,	3 3.1 2 1112311	or comment and com
Post Office Ad	dress: Valley Center, California 92082	
Residence: 114	125 Betsworth Road, Valley Center, Ca	lifornia 92082
{	\ \	11
1st Witness:	HARRY T DAVIDE () (Type or Print)	Algority of the second
	(Type or Print)	(Signature)
ļ	(1) pe of 11 me)	(Signature)
2nd Witness:	Come Al Calcalore	
Ziiu Wiuless.	(Type or Print)	
	() () Type of Print)	(Signature)
	Ny 7. Ny faritr'ora dia mandritry ny taona ao amin'ny faritr'ora ny taona 2008–2014. Ilay kaominina dia kaominina dia mpikambana ao amin'ny faritr'ora ao	
r	MINISTER (MINISTER FOR THE MENT AND	
JOINT INVEN	TOR	11 4. 1 11/1
Inventor (8)	Martin Joseph Kaplan	Martin Joseph Kayslan (Signature in Full)
	(Type or Print)	(Signature in Full)
		1 10-
Citizenship	USA Citizen	Date: 5/18/98
Post Office Add	dress: Olathe, Kansas 66061	
Residence: 109	002 Cedar Niles Circle, Olathe, Kansas	66061
	V	$\rightarrow V h D \cdot H = 1$
1st Witness:	KRIS MI BOSCHERT	Two It borchet
	KRIS M. BOSCHERT (Type or Print)	(Signature)
		y g.m.s.r)
gen."	a market	
2nd Witness:	Shorn 1 L Alleni	Mayor (1100
Zild Willioss	Merry L. Allew Type or Print)	(Signature)
	, yrype or rimit)	(Signature)
JOINT INVEN		
Inventor (9)	Abdullah Murat Bog	Management of the control of the con
	(Type or Print)	(Signature in Full)
Citizenship	Turkey	Date:
		10 M Challed Brown (Miller) of Marine of the character from property of suppliers in the character from the
Post Office Add	lress: Milpitas, California 95035	
	•	
Residence: 177	5 Milmont Drive, #E107, Milpitas, Cal	lifornia 95035
1st Witness:		
	(Type or Print)	(Signature)
	(15po or 11me)	(Signature)
2nd Witness		
Life willess.	(Type or Print)	(Signature)
	(Type of Pilit)	(Signature)

JOINT INVENT	OR	
Inventor (7)	James William Baumgart	
	(Type or Print)	(Signature in Full)
Citizenship	USA Citizen	Date:
Post Office Add	ress: Valley Center, California 92082	2
Residence: 1142	25 Betsworth Road, Valley Center, Ca	alifornia 92082
1st Witness:		
	(Type or Print)	(Signature)
٠	(Type or Print)	(Signature)
JOINT INVENT		
Inventor (8)	Martin Joseph Kaplan (Type or Print)	(Signature in Full)
	(Type of Finit)	(Signature in Fun)
Citizenship	USA Cítizen	Date:
•		
Post Office Add	ress: Olathe, Kansas 66061	
D		(/0/1
Residence: 1090	2 Cedar Niles Circle, Olathe, Kansas	66061
1st Witness:		
130 Withicss.	(Type or Print)	(Signature)
	(Type of Time)	(Signature)
2nd Witness:		
	(Type or Print)	(Signature)
[
JOINT INVENT		1/
Inventor (9)	Abdullah Murat Bog	(C: P. II)
	(Type or Print)	(Signature in Full)
Citizenship	Turkey	Date: 5/1/2/195
Post Office Address: Milpitas, California 95035		
Residence: 1775 Milmont Drive, #E107, Milpitas, California 95035		
1 et Witness	VINAL SIEKAV	V.
ist wimess:	Vinal Sirkay (Type or Print)	(Signature)
	(Type of Time)	(Signature)
	5	γ^{\prime}
2nd Witness:	(Type or Print)	Compared to the contract of th
	(Type or Print)	(Signature)
1		×*

JOINT INVENT	OR	20 11
Inventor (10)	John Arndt Strand, III	one would strand ni
	(Type or Print)	Signature in Full)
Citizenship	USA Citizen	Date: 6/20/98
Post Office Add	ress: Leavenworth, Kansas 66048	
Residence: 1530 S. 22 nd Street, Leavenworth, Kansas 66048		
1st Witness:	IRGINIA L STRAND	Olicense I Strand
	(Type or Print)	(Signature)
2nd Witness: <u>A</u>	SHLETCH V STEAMIS (Type or Print)	(Signature)

RECORDED: 08/05/1998